

INTERNATIONAL SEARCH REPORT

PCT/IB 03/00681

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H01J35/08 H01J35/18

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 185 277 B1 (HARDING GEOFFREY) 6 February 2001 (2001-02-06) the whole document	1
A	EP 1 102 302 A (PHILIPS CORP INTELLECTUAL PTY ;KONINKL PHILIPS ELECTRONICS NV (NL)) 23 May 2001 (2001-05-23) the whole document	1
P,A	WO 02 065505 A (PHILIPS CORP INTELLECTUAL PTY ;TIELEMANS LEONARDUS P M (NL); DAVID) 22 August 2002 (2002-08-22) abstract; figure 1	1
P,A	EP 1 271 602 A (PHILIPS CORP INTELLECTUAL PTY ;KONINKL PHILIPS ELECTRONICS NV (NL)) 2 January 2003 (2003-01-02) abstract; figure 2B	1



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

30 July 2003

Date of mailing of the international search report

05/08/2003

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PCT/IB 03/00681

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 6185277	B1	06-02-2001	DE	19821939 A1	18-11-1999
			EP	0957506 A1	17-11-1999
			JP	11339702 A	10-12-1999
EP 1102302	A	23-05-2001	DE	19955392 A1	23-05-2001
			EP	1102302 A1	23-05-2001
			JP	2001155670 A	08-06-2001
			US	6560313 B1	06-05-2003
WO 02065505	A	22-08-2002	DE	10106740 A1	22-08-2002
			WO	02065505 A1	22-08-2002
EP 1271602	A	02-01-2003	DE	10129463 A1	02-01-2003
			EP	1271602 A1	02-01-2003
			JP	2003066200 A	05-03-2003
			US	2003016789 A1	23-01-2003